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110



M E M O R A N D U M

DATE: October 30, 1986

TO: File

FROM: Larry Lumeh 

SUBJECT: Indiana/R05-8307-4L/INO111
Hammond/Mobile Oil Company
IND042329631

The purpose of this memo is to describe the site with regard to its potential to affect the surface water in the area. The surface water of concern for this site is the Indiana Harbor Canal which borders the east side of the site.

The hazardous waste at the facility was refinery sludge which contained high levels of heavy metals. The sludge was placed in three pits for dewatering. The pits were bermed and had adequate freeboard. The dewatered sludge was periodically emptied from the pits and landfilled. The landfills were all below ground level and were covered back to original site topography. The exact locations of the landfills are unknown.

Pits with adequate freeboard have a containment value of zero based on the HRS model. Since the top of the landfills are even with ground level and the landfills are covered, they would be considered covered landfills with slopes that preclude runoff and also score a zero for containment according to the model. In addition, the entire site is bermed which also rules out any potential for surface water contamination due to surface runoff.

LL:mh